Title (en)

Method for judging discharge state of ink jet recording head and ink jet recording apparatus utilizing the same.

Title (de)

Verfahren zum Prüfen des Entladungszustandes eines Tintenstrahlaufzeichnungskopfes und Tintenstrahlaufzeichnungsgerät, welches es verwendet

Title (fr)

Méthode pour essayer l'état de décharge d'une tête d'enregistrement à jet d'encre et appareil d'enregistrement à jet d'encre l'utilisant

Publication

EP 0955170 B1 20060322 (EN)

Application

EP 99201935 A 19930430

Priority

- EP 93303404 A 19930430
- JP 11617792 A 19920508

Abstract (en)

[origin: EP0569201A1] The temperature characteristics of an ink jet recording head are detected, and the result of detection is utilized for detecting the ink discharge state. Also a statistical processing on the temperature characteristics detected on plural recording heads enables exact detection of the ink discharge state, not effected by the individual difference of the recording heads. Also there is detected the abnormality in ink discharge, that may occur prior to the exhaustion of ink in the ink tank. <IMAGE>

IPC 8 full level

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CPC (source: EP KR US)

B41J 2/0451 (2013.01 - EP KR US); **B41J 2/04563** (2013.01 - EP US); **B41J 2/0458** (2013.01 - EP US); **B41J 2/04596** (2013.01 - EP US); **B41J 2/16579** (2013.01 - EP US); **B41J 2/17553** (2013.01 - EP US); B41J 2/04563 (2013.01 - KR); B41J 2/0458 (2013.01 - KR); B41J 2/04596 (2013.01 - KR); B41J 2/16579 (2013.01 - KR); B41J 2/17553 (2013.01 - KR)

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CN103129143A; EP1211078A1; EP2008821A3; US8845064B2; US8882239B2; US6460964B2; WO2012084686A1

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